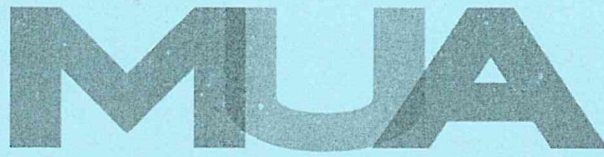


The
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UNDERGRADUATE UNIVERSITY EXAMINATIONS

SCHOOL OF MANAGEMENT AND LEADERSHIP

DEGREE OF BACHELOR OF ARTS IN DEVELOPMENT STUDIES, BACHELOR OF
MANAGEMENT AND LEADERSHIP AND BACHELOR COMMERCE

UCU 103: INTRODUCTION TO LOGIC AND CRITICAL THINKING

DATE: 3RD AUGUST 2016

DURATION: 2 HOURS

MAXIMUM MARKS: 70

INSTRUCTIONS:

1. Write your registration number on the answer booklet.
2. **DO NOT** write on this question paper.
3. This paper contains **SIX (6)** questions.
4. Question **ONE** is compulsory.
5. Answer any other **THREE** questions.
6. Question **ONE** carries **25 MARKS** and the rest carry **15 MARKS** each.
7. Write all your answers in the Examination answer booklet provided.

QUESTION ONE

Read the Case Study below carefully and answer the questions that follow:

A psychiatrist had six adult women patient who suffered blurred ego boundaries. These patients were distinguished by following characteristics.

Min and sue had been subjected to corporal punishment as children and both had siblings. Dot and Jane were adopted, had a male parent figure, and experienced sexual abuse. Lynn and Flo had siblings and a male parent figure, but only Flo had a domineering mother. Also, lynn and Min had experienced sexual abuse and were adopted, but only Min had a domineering mother. Jane and Dot were uprooted often as children. Flo and Sue had experienced sexual abuse, but only Sue was raised in day-care centers. Jane and Dot each had a domineering mother, and each had been subjected to corporal punishment. Flo was uprooted often as a child and had been subjected to corporal punishment. Dot and Lynn were raised in day-care centers, Sue had a male parent figure, and Jane had siblings.

Required:

- a) What can the psychiatrist conclude is the cause of the blurred ego boundaries of these women? **(3 marks)**
- b) Construct a table that support this conclusion **(16 marks)**
- c) Which one of Mills methods did the psychiatrist use? **(3 marks)**
- d) What sense of causality is involved in the conclusion? **(3 marks)**

QUESTION TWO

- a) Define the term logic and discuss the components of an argument **(7 marks)**
- b) Discuss the purpose of critical thinking skills to a business student **(8 marks)**

QUESTION THREE

- a) Discuss essential skills for a critical thinker **(5marks)**

- b) Reduce the following categorical proposition into its standard forms, stating its letter name, quality, quantity and the terms distributed. Some coastal vacations are episodes that end up with gastrointestinal distress. (10 marks)

QUESTION FOUR

Using modern square of opposition, prove the validity of the statement that "All African elephants should not be killed for their tusks as they are good animals; therefore it is false that some African elephants should be killed for their tusks as they are good animals". (15 marks)

QUESTION FIVE

- a) Discuss the term cognition as used in logic (3 marks)
- b) Explain any six barriers to critical thinking (12 marks)

QUESTION SIX

- a) A research conducted by Buibui and whose results were represented on a graph of Y against X showed that as x increased, y decreased. Buibui concluded that X was causing Y such that an increase in X caused a decrease in Y
- Represent the graph that Buibui drew and suggest possible variables that x and y could be representing
 - Critic Buibui's conclusion that X was influencing Y
- (10 marks)
- b) Discuss the five forms (styles) that a deductive argument can take (5 marks)

